

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
16 December 2004 (16.12.2004)

PCT

(10) International Publication Number
WO 2004/109271 A1

(51) International Patent Classification⁷: **G01N 27/447**

(21) International Application Number:
PCT/GB2004/002423

(22) International Filing Date: 8 June 2004 (08.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0313197.6 9 June 2003 (09.06.2003) GB

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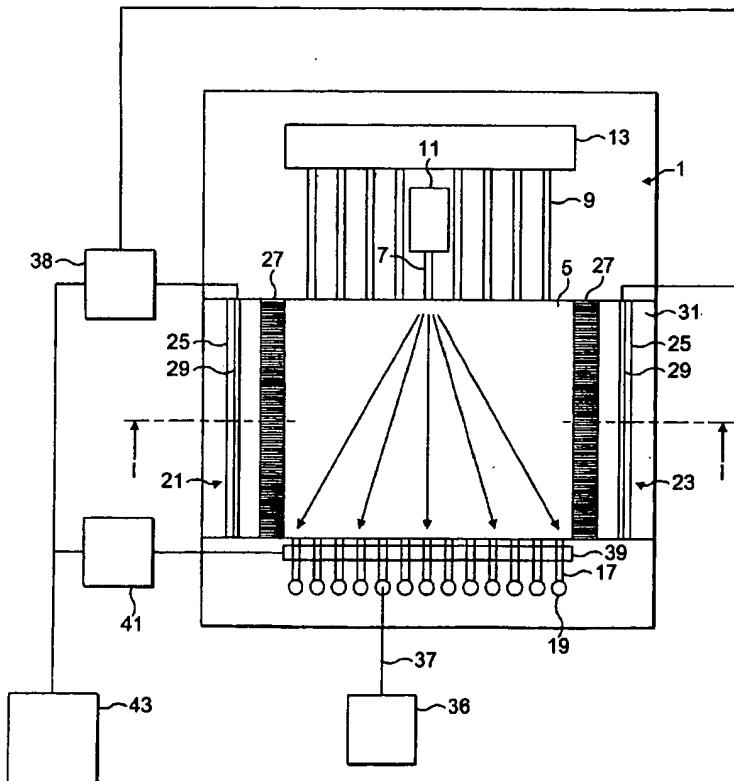
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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(54) Title: FREE FLOW ELECTROPHORESIS MICROCHIP, SYSTEM AND METHOD



(57) Abstract: Device and method for free flow electrophoresis having a microchip (1) comprising: a separation chamber (5); a plurality of separation medium inlet channels (9), a sample inlet side of the separation chamber through which a flow of a sample containing charged components is introduced into the separation chamber; a plurality of outlet channels (17) having inlets fluidly connected to another, outlet side of the separation chamber opposite the inlet side thereof, and a magnetic field unit (31) for providing a magnetic field substantially orthogonal to the flow direction of the separation medium; whereby charged components introduced into the separation chamber are deflected laterally across the separation chamber in dependence upon the charge, typically the electrophoretic mobilities or the iso-electric points, of the charged components.

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